

With the exception of the LSND anomaly, current neutrino data can be described within the framework of a 3×3 mixing matrix between the flavor eigenstates ν_e , ν_μ , and ν_τ and the mass eigenstates ν_1 , ν_2 , and ν_3 . (See Eq. (13.77) of the review “Neutrino Mass, Mixing, and Oscillations” by K. Nakamura and S.T. Petcov.) The Listings are divided into the following sections:

(A) Neutrino fluxes and event ratios: shows measurements which correspond to various oscillation tests for Accelerator, Reactor, Atmospheric, and Solar neutrino experiments. Typically ratios involve a measurement in a realm sensitive to oscillations compared to one for which no oscillation effect is expected.

(B) Three neutrino mixing parameters: shows measurements of $\sin^2(2\theta_{12})$, $\sin^2(2\theta_{23})$, Δm_{21}^2 , Δm_{32}^2 , and limits for $\sin^2(2\theta_{13})$ which are all interpretations of data based on the three neutrino mixing scheme described in the review “Neutrino Mass, Mixing, and Oscillations.”

(C) Other neutrino mixing results: shows measurements and limits for the probability of oscillation for experiments which might be relevant to the LSND oscillation claim. Included are experiments which are sensitive to $\nu_\mu \rightarrow \nu_e$, $\bar{\nu}_\mu \rightarrow \bar{\nu}_e$, sterile neutrinos, and CPT tests.